

8. Process according to claim 7, including adding to the melt from 0.02 to 0.08 wt.% vanadium.

9. Process according to claim 8, wherein from 0.02 to 0.05 wt.% vanadium is added to the melt.

10. Process according to claim 7, wherein the melt includes a content of more than 3.5 wt.% magnesium, and including adding 25 to 50 ppm beryllium to the melt.

11. Process according to claim 10, including adding 25 to 35 ppm beryllium to the melt.

12. Process according to claim 7, wherein the melt includes a content of less than 3.5 wt.% magnesium, and including adding less than 25 ppm beryllium to the melt.

13. Process according to claim 7, for the production of casting alloys with

2.5 to 7 wt.% magnesium

max 2.5 wt.% silicon

max 1.6 wt.% manganese

max 0.2 wt.% titanium

max 0.3 wt.% iron

max 0.2 wt.% cobalt

less than 60 ppm beryllium